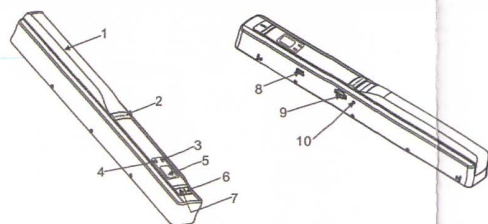


TSN410/415 Manual

1. Key features

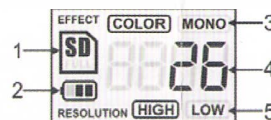
Color/Monochrome (Mono) scan selection
600/300 dpi scan selection
Direct save JPG file to microSD card
Support microSD card up to 32GB
Driver free to download for Windows 7 / Vista / XP and
Mac OS10.4 or above (direct plug-in, driver installation not required)

2. Functional parts



Part	Function
1 Battery door	For 2x AA alkaline batteries
2 Power/Scan	Power On/ Off: Press and hold this key for 2 seconds to turn power on or off. In power on mode, press this button to start scan, press this button again to stop
3 Error LED indicator	Over speed: Red LED on
4 Scan LED indicator	Ready for scan: Green LED on
5 LCD screen	Scanning status display
6 Resolution	Select High(600dpi)/Low(300dpi) resolution; High/Low resolution mode icon will be displayed on status LCD
7 C/BW	Select Color/Mono scan, Color/Mono mode icon will be displayed on status LCD
8 USB interface	Download photo to a computer via USB cable provided.
9 SD card slot	MicroSD card storage location.
10 Format button	Press this button to format the microSD card.

3. Explanation of the status icons

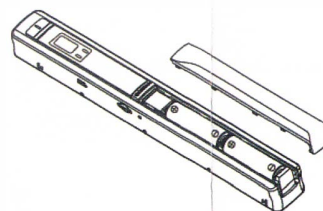


Item	Function	Description
1	SD card indicator	Photos will be stored in microSD card
2	Battery indicator	Battery is full Empty battery
3	Effect indicator	Color or Mono
4	Counting indicator	Show scanned files in microSD card
5	Selected resolution	High:600 dpi / Low:300 dpi

4. Using the scanner

4.1 Installing the battery

- Open the battery door.
- Insert 2x AA alkaline batteries into the battery compartment.
- Turn on the scanner by pressing the [POWER] button for 2 seconds.



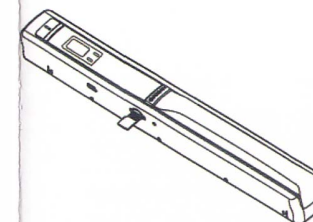
4.2 Inserting a microSD memory card (not included)

You must insert a microSD Card (not supplied) to record and store your pictures. Inserting the microSD memory card:

- Turn OFF the scanner.
- Insert the microSD card into the microSD card slot, gently press in until card is latched.

Note: Do not force the card into the slot; forcing may damage scanner and the microSD memory card. Align microSD card position (as marked) and try again.

Note: The microSD memory card must be formatted before scanning. See the following instruction.



4.3 Formatting the microSD memory card

- Insert a new microSD card into the scanner, then turn on the scanner.
- Press the format button into format mode. "F" shows on the LCD.
- Press the Power/Scan button to start formatting the microSD card.
- SD card indicator will blink until format is complete.

4.4 Setting the resolution

Press the [DPI] button to select High/Low resolution.
High/Low resolution icon will be displayed on status LCD.

4.5 Setting the scan mode

Press the [C/BW] button to select Color/Mono mode.
Color/Mono icon will be displayed on status LCD.

4.6 How to scan

Hold the document firmly by one hand.
Place the scanner on the start-scanning position.
Hold the scanner tight and press the scan button once.
Slide the scanner slowly and keep your hand stable to get the best quality picture.
Press the scan button again to stop scanning.



5. LED light indications

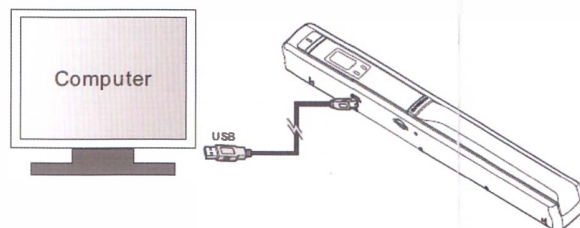


- "GREEN" SCAN LED ON → Scan in progress.
- "GREEN" SCAN LED OFF → Standby/Scan is complete.
- "RED" ERROR LED ON → Scanning too fast.
May cause scanning error.
Restart and scan again.
- "RED" ERROR LED OFF → No error in scanning speed.
Continue scanning process.

* scan will START when button is pressed
* to END scan, press button again

6. Connect to computer

You may also connect your scanner to your computer and view pictures on the computer monitor.



7. Specifications

Image sensor	A4 Color Contact Image Sensor
Number of sensor	5136 dots(1st~5104 dots available)
Resolution	Low resolution : 300x300 dpi(default) High resolution: 600x600 dpi
Maximum scanning speed for A4 size document	Color High resolution: 13 Seconds Mono High resolution: 6.0 Seconds Color Low resolution: 3.0 Seconds Mono Low resolution: 2.0 Seconds
Capacity (Based on 1GB microSD card. Scan A4 size file, the quantity of scans varies depending on the content complexity)	600dpi color: 220 Photos(Min.) 600dpi mono: 290 Photos(Min.) 300dpi color: 780 Photos(Min.) 300dpi mono: 1280 Photos(Min.)
Scan width	8.27"
Scan length	300DPI: 50"(Max), 600DPI: 25"(Max)
File format	JPEG

LCD	Scanning status display
Auto Power Off	3 Minutes
USB Port	USB 2.0 high speed
External memory	MicroSD Card
Standard Battery	2XAA alkaline batteries

8. Computer system minimum requirement

Operating System	Windows 7 / Vista / XP and Mac OS 10.4 or above (direct plug-in, driver installation not required)
CPU	Pentium II or above
RAM	64MB
Interface	USB port

9. Troubleshooting

Problem	Cause	Solution
Cannot turn on the scanner	1. Low battery power. 2. Battery not inserted properly	Replace or install the battery correctly
Pictures cannot be saved when you are scanning them	1. MicroSD card has not been installed 2. Memory is full 3. The microSD card has not been formatted properly	1. Install microSD card 2. Download the pictures from the scanner to the computer to create storage space 3. Please refer to section 4.3
Computer does not recognize your scanner when connected. (You cannot find removable disk)	Connection failure.	Make sure all cable connections are secured. Restart the computer if necessary
The battery life is very short	Use wrong type of battery	Replace with new 2x AA alkaline batteries
Blurry images	The lens of scanner is dirty	Clean the lens with soft dry cloth
ERR. LED is on when scanning a document	Scanning speed is too fast	Press the Power/Scan button to reset and scan again the document